



## Performance Data Sheet

**VSC9576ZXH**

### General Information

<b>Model</b>	VSC9576ZXH	<b>Refrigerant</b>	R-404A
<b>Test Condition</b>	ARI	<b>Performance Test Voltage</b>	575V 3~ 60HZ
<b>Return Gas</b>	18.3°C (65°F) RETURN GAS	<b>Motor Type</b>	3PH

### Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
20	Btu/h		98500	90700	82500	73900	65000	55500
	Watts	6900	7610	8430	9360	10400	11700	13100
	Amps	8.66	9.55	10.6	11.7	13.1	14.6	16.4
	Lb/h	1680	1660	1630	1600	1560	1510	1450
25	Btu/h				91000	81500	71600	61200
	Watts	6990	7700	8510	9430	10500	11700	13100
	Amps	8.78	9.67	10.7	11.8	13.2	14.7	16.4
	Lb/h	1860	1840	1810	1780	1730	1680	1610
30	Btu/h					89700	78700	67200
	Watts	7110	7810	8600	9510	10600	11800	13100
	Amps	8.93	9.80	10.8	11.9	13.3	14.8	16.5
	Lb/h	2070	2040	2010	1970	1920	1870	1800
35	Btu/h					98500	86400	73800
	Watts	7250	7940	8720	9620	10600	11800	13200
	Amps	9.11	9.96	10.9	12.1	13.4	14.9	16.6
	Lb/h	2290	2260	2230	2190	2140	2070	2000
40	Btu/h						94800	81000
	Watts	7430	8100	8870	9750	10800	11900	13300
	Amps	9.33	10.2	11.1	12.2	13.5	15.0	16.7
	Lb/h	2540	2510	2470	2430	2370	2300	2220
45	Btu/h							88800
	Watts	7640	8300	9050	9910	10900	12100	13400
	Amps	9.59	10.4	11.4	12.4	13.7	15.1	16.8
	Lb/h	2810	2780	2740	2690	2630	2560	2470
50	Btu/h							97200
	Watts	7900	8540	9270	10100	11100	12200	13500
	Amps	9.92	10.7	11.6	12.7	13.9	15.3	17.0
	Lb/h	3100	3070	3030	2970	2910	2840	2750

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.903204E+04	2.044891E+03	2.566561E+00	1.193747E+03
C2	2.278436E+03	1.286183E+01	1.614300E-02	2.555123E+01

C3	-3.166276E+02	6.518975E+01	8.182026E-02	-3.384579E+00
C4	2.622505E+01	7.416206E-02	9.308149E-05	2.045354E-01
C5	-8.008281E+00	1.057747E-01	1.327588E-04	2.586038E-02
C6	-3.843337E-01	-3.643799E-01	-4.573366E-04	4.258807E-02
C7	6.511546E-02	8.304765E-03	1.042339E-05	2.225342E-03
C8	-1.551689E-01	-3.810994E-03	-4.783214E-06	-5.578217E-05
C9	-1.720114E-02	-6.342702E-04	-7.960784E-07	-4.207025E-04
C10	-3.773134E-03	3.220871E-03	4.042545E-06	-2.273536E-04

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature